

I Claim:

1. A composition for boosting and activating peroxides in tooth whiteners, comprising:

a heavy-metal salt solution with a pH greater than 7; and

a chelator for preventing said heavy-metal salt solution from precipitating.

2. The composition according to claim 1, wherein said heavy-metal salt solution includes a manganese coordinate complex.

3. The composition according to claim 2, wherein said manganese coordinate complex is manganese gluconate.

4. The composition according to claim 1, wherein said chelator is tetrasodium EDTA.

5. The composition according to claim 1, further comprising polyvinylpyrrolidone (PVP).

6. The composition according to claim 1, wherein the pH is from 10.3 to 10.8

7. The composition according to claim 3, wherein said manganese gluconate forms at least three percent of a total weight the composition.

8. The composition according to claim 1, further comprising a surfactant.

9. The composition according to claim 1, wherein said heavy-metal salt solution is aqueous.

10. A method for whitening teeth, which comprises:

applying the composition according to claim 1 to teeth;

applying a whitening agent to the teeth.

11. The method according to claim 10, which further comprises drying the teeth before the applying step.

12. The method according to claim 11, which further comprises preventing the teeth from being moistened when the composition has been applied to the teeth.

13. The method according to claim 10, which further comprises heating the composition.

14. The method according to claim 10, which further comprises heating the composition after the applying step with a light.

15. The method according to claim 14, which further comprises:

using a xenon light as the light; and

heating each tooth a maximum of three thirty-second passes with the xenon light.

16. The method according to claim 10, which further comprises limiting a weight percentage of the hydrogen peroxide to 7.5 in an at-home formula.

17. The method according to claim 10, which further comprises including at least a weight percentage of the hydrogen peroxide of 35 in an in-office formula.